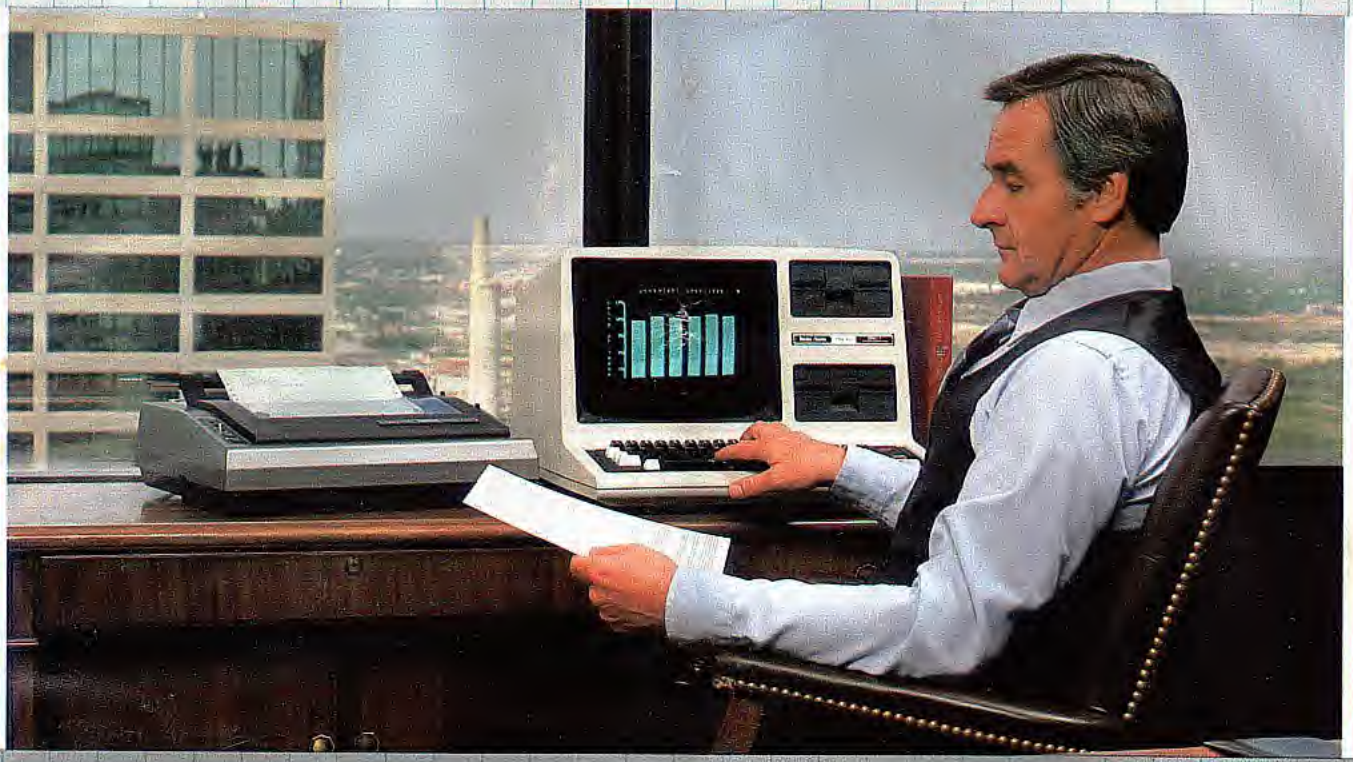
RADIO SHACK'S NEW TRS-80® MODEL 4

PERSONAL DESKTOP COMPUTERS

- All New Design Features 80-Column by 24-Line Display, High-Speed CPU and Sound
- Compatible with Thousands of Ready-to-Run Programs
- 64K Memory Expands to 128K
- Use Extra Memory As A Super-Fast RAM-Based "Disk Drive"
- Also Available: A Low-Cost, Cassette-Based System

Radio Shack®



Your Personal Productivity Machine

Radio Shack's new TRS-80 Model 4 disk systems are the key to productive thinking . . . at work, school or home. They excite your imagination and sharpen your creative skills. They give you the power to seek new ways to accomplish your tasks, solve complex problems and in the end, to reach your goals.

They do it all with incredible speed and astounding ease. Plugging in a single power cord brings you more computing power than ever before. Indeed, Model 4's standard features read like any other computer's list of expensive "add ons".

What you use your Model 4 for is pretty much up to you, because literally thousands of programs are available "off the shelf" from Radio Shack and others. Want to tap into Microsoft's most advanced BASIC programming language ever? It's standard on Model 4, so you can create your own, custom software.

By itself, or expanded with a broad spectrum of accessories, the TRS-80 Model 4 is ready to take on the world. In the pages to follow, we'll show you some of the ways thousands of people just like you can use their Model 4 systems.

Professionals will find a multitude of uses for the TRS-80 Model 4 desktop computer:

- Quickly prepare sales forecasts, business models or projected annual income and effortlessly revise your results with countless "what-if" situations. The 64,000 character memory and 80-column display let you tackle your large "electronic spreadsheets" with ease.
- Compose letters, memos or lengthy reports on the upper and lower case display. The electric typewriter quality keyboard has a selectable "key click" feature to respond audibly as each key is depressed.
- Follow proven time management techniques as Model 4 keeps an up-to-date list of your appointments and graphically displays project schedules and more.
- Let Model 4 store your information electronically and you'll be able to find just the files you need in seconds. For added data storage, two external disk drives can be added. Or add up to four 5-megabyte Hard Disks to store over 20-million characters.

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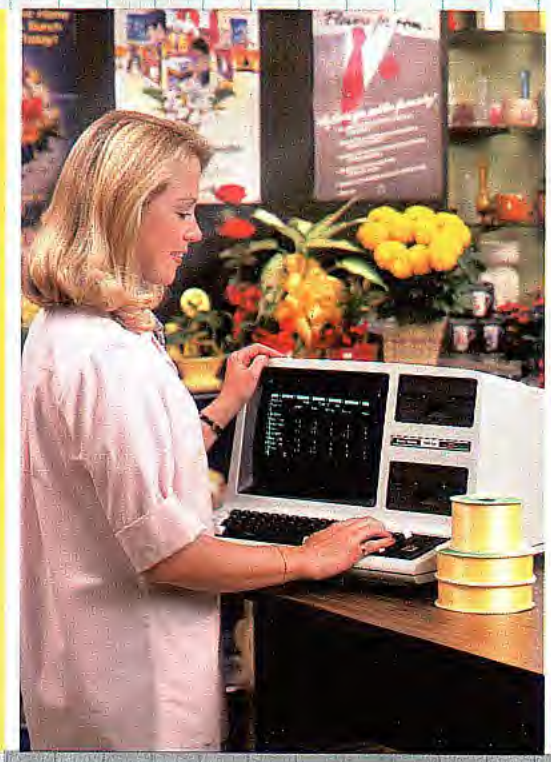
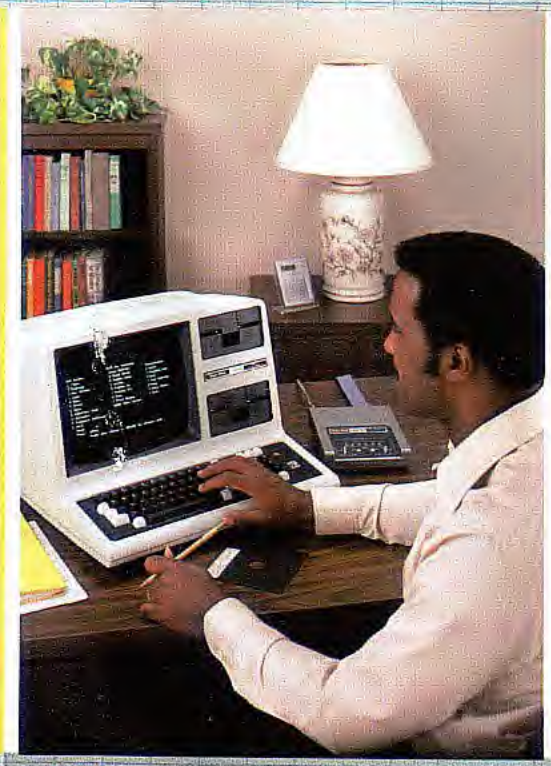


The Only Computer Your Business May Need

One of the nice things about the TRS-80 Model 4 is that you don't have to buy more computer than you need. With two disk drives, Model 4 is ready to go to work in any small business.

- Prepare accurate balance sheets and income statements for a fast analysis of your company's profits.
- Improve your cash flow by monitoring your receivables to speed up collections and identify bad debts.
- Optimize your payment schedule for maximum efficiency, cash flow, and earned discounts.
- Keep your inventory movement and current stock level in close check.
- A Print Spooler feature allows you to print one job as you use Model 4 to work on another job.
- After hours, your Model 4 can continue working completely unattended, thanks to a sophisticated Job Control Language.

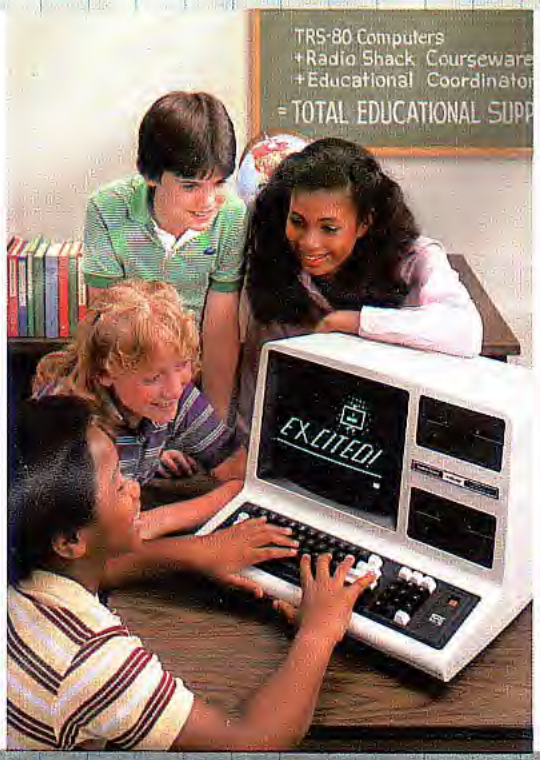


At Home, the Model 4 is in a Class by Itself

You shouldn't have to settle for a "game machine" when you want a real computer at home. And with the TRS-80 Model 4, you don't have to.

- A built-in communications interface lets you add options like a telephone modem. A complete communications program, included with our disk versions, lets you use Model 4 as a terminal, to receive and transmit data over the phone lines.
- Obtain *today's* stock quotes, as well as headlines from *tomorrow's Wall Street Journal*.
- Review corporate financial information to best plan your personal investment strategy.
- Exchange "electronic mail" with other Computer users.
- Find out the latest in news, weather and sports from the AP newswire, or peruse vast, electronic versions of major encyclopedias.
- Learn to program, then take advantage of Model 4's powerful TRSDOS® operating system and Model 4 Disk BASIC. Pilot, COBOL, FORTRAN, PASCAL and other languages are also available.

...ER EVEN COMES CLOSE.



With Model 4, Students Look Forward to Learning

Radio Shack's Model 4 is one of the most powerful learning tools around. That's because students enjoy using it. This individual instruction on the computer allows teachers to devote more time to students needing personal attention.

- Our Computer Assisted Instruction (CAI) educational software, or "courseware", and Computer Education Series (CES) assist the teacher in teaching subjects like reading, math, science, computer literacy, and more.
- Model 4 disk systems can be used by educators to develop their own courseware. Radio Shack's powerful authoring systems and authoring languages make courseware development easy.
- With our Network Controllers, entire classrooms can be turned into shared learning systems at a very low cost. Up to 16 students using low-cost Model 4 cassette systems can access many of the same powerful features of the disk system used by the teacher.

Every Computer Buyer Should Demand Our Type of Total Support

From the minute you unpack your new TRS-80 Model 4, you'll be glad you chose a Radio Shack computer. And as time passes, you'll discover the difference Total Support can make.

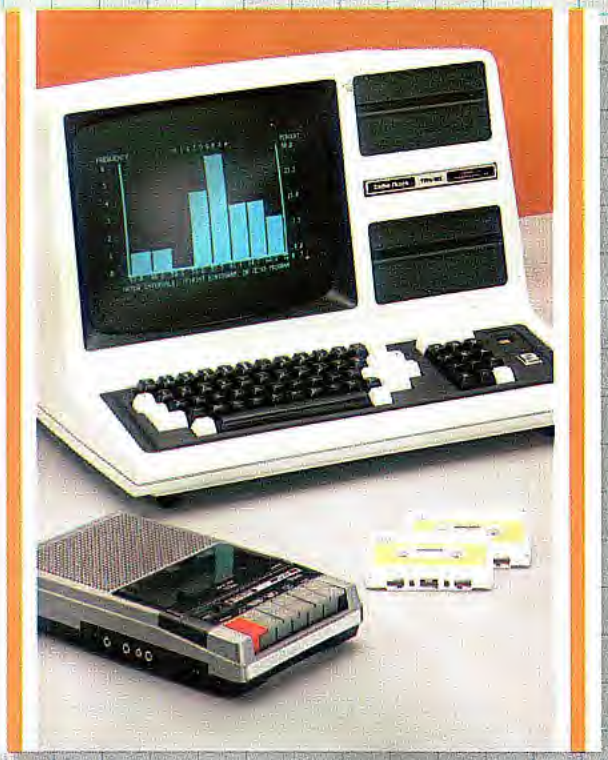
To make sure you get the most from your new computer, Radio Shack includes not one, but four superb guide books. Our 42-page quick reference guide shows you how to start using your Model 4 in minutes. From there, Model 4 will take over with a tutorial introduction to the TRSDOS disk operating system—a great way to learn and get "hands on" experience at the same time. A quick reference guide summarizes Model 4's commands, codes and statements—all of which are explained in detail in the comprehensive Reference Manual, also included. And last but not least, our entertaining step-by-step Getting Started With TRS-80 BASIC instruction manual will have you writing programs in no time. It makes learning fun!

And whenever you need help, Radio Shack is nearby. With over 6100 Radio Shack stores and participating dealers nationwide. We're close by when you need us.

And be sure to visit one of our Radio Shack Computer Centers. Over 400 Centers nationwide stock our complete line of TRS-80 computers and accessories. They also offer training facilities that make it easy to introduce you or your entire staff to the ease of using the TRS-80 Model 4. We also offer leasing plans and "on-site" and "carry-in" service plans. You'll find it all wherever you see this sign:

Radio Shack® COMPUTER CENTER

Three Models to Choose From



The Cassette-Based Model 4 Is An Ideal "Starter System"

The 16K TRS-80 Model 4 is the ideal choice for anyone who wants a computer that can later be expanded for advanced programming, business or professional use. It stores programs and data on inexpensive audio cassette tapes (recorder not included) instead of disks. Learn BASIC programming with the excellent Model 4 beginner's manual. Choose from our wide selection of ready-to-run software. Set up a household budget, track your stock investments, teach your kids, and much more! The self-contained white cabinet includes a high-resolution 12" monitor that displays 16 lines of 64 characters, a 70-key typewriter-style keyboard with 12-key keypad for numeric entry, parallel printer interface and Model III BASIC in ROM. And as your computing needs grow, upgrade your cassette system to disk-based Model 4 features with a 64K RAM kit and Model 4 drive upgrade kit (installation required—not included).

Only $68 Per Month With CitiLine Credit

999.00
26-1067
(Casette recorder not included)

The Ultimate Computer: Model 4 Disk Systems

Our 64K two-disk Model 4 is everything you want in a personal computer. There's a high-resolution 80 x 24 display, keyboard with numeric keypad and CONTROL, CAPS and 3 Function keys, new high clock speed (4MHz), parallel and RS-232C serial interfaces, and much more. It comes ready to use with thousands of programs, because it's compatible with Model 4 and Model III TRSDOS®, CP/M-Plus®, and LDOS® operating systems. All Radio Shack programs written for the Model III will run without any changes. The 64K (64,000-characters) internal memory is expandable to 128K. To speed operations, there's "MemDisk," which lets you create a super-fast disk drive in memory for keystroke-quick responses instead of time-consuming disk access. TRSDOS 6.0 features a print spooler and communications program. The new Microsoft® BASIC includes CHAIN and COMMON for large programs, and more.

64K 2-Disk TRS-80 Model 4 With RS-232 Interface

1999.00
26-1069
Commercial Lease Available Only $70 Per Month*

64K 1-Disk TRS-80 Model 4 Without RS-232

1699.00
26-1068
Commercial Lease Available Only $60 Per Month*

*Plus applicable use/sales tax.

Model 4 Expansion Options

5-Meg Hard Disk Drive. Get high-speed access to five million characters of programs and data. Fully compatible with most Model 4/III software. Store over 1,000 different files or create files as large as available space. Backup to multiple floppies. U.L. listed. Primary drive includes Hard Disk Operating System with BASIC. #26-1130, 2495.00

Secondary Drive. Add up to three for a total of 20 megabytes storage. #26-1131, 1995.00*

External Floppy Disk Drives. Each 5¼" double density 40-track minidisk drive stores 184,000 characters. Internal Drive #1 required. U.L. listed. External Drive 3, #26-1164. External Drive 4, #26-1161. $449.00 each.

High-Resolution Screen Graphics. Create sophisticated business graphs, tables, charts . . . even animation. Provides 153,600 picture elements (640 × 240) for amazing detail. The Graphics BASIC command structure is incredibly powerful (draws lines and circles, fills spaces), yet is easy to master. Also lets you use assembly language subroutines. Includes user's manual and diskette with Graphics BASIC and subroutine library. Available 9/15/83. #26-1126, 249.95*

Model 4 Drive 0 (Internal). 184K, 5¼" double density disk drive. Includes TRSDOS 6.0 operating system, Disk BASIC and sound. #26-1127, 649.00*

Drive 1 (Internal). As above, but without operating system. Requires Drive 0. #26-1163, 239.95*

Model 4 64K RAM Kit. #26-1122, 149.00*

Model 4 Upgrade Kit. Converts TRS-80 Model III computers (except for cabinet and disk drives). Includes new keyboard, 64K RAM, sound, TRSDOS and Disk BASIC. #26-1123, 799.00*

*Requires installation (not included).

TRS-80 Model 4 Disk System Specifications.

Microprocessor: Advanced Z-80A 8-bit.

Clock Speed: 4 MHz (2MHz in Model III mode).

Memory: 14K ROM, 64K RAM expandable to 128K (available memory can be selected by bank and can provide disk drive emulation in RAM).

Keyboard: 70-key typewriter style with control key, 3 programmable function keys (F1, F2, F3), caps key and 12-key datapad.

Video Display: 80 characters by 24 lines (Model 4 mode), 64 × 16 (Model III mode), or double-wide 40 or 32 characters per line. Upper and lower case and reverse video. Memory mapped with high-resolution 12" monitor. Includes 96 text, 64 graphics and 96 "special" characters.

Sound: Obtainable from BASIC with sound command including tone and duration. Toggled "keyclick".

Disk Drives: One or two built-in double-density 184K 5¼" drives.

Input/Output Interfaces: Cassette operation at 500/1500 baud selectable under ROM BASIC. Disk version includes TRS-80 Model 100 utility. Parallel printer interface with TRSDOS print spooler. RS-232C serial interface. Buffered input/output bus.

Operating System Compatibility: TRSDOS 6.0, TRSDOS 1.3, LDOS™, CP/M Plus®. Standard TRSDOS 6.0 features include Memory Disk, Job Control Language, and cassette support for the TRS-80 Model 100 Portable Computer. Other features include a communications program, full routing and linking, filtering, and more.

Programming Language: New Advanced Microsoft BASIC. Features include CHAIN, COMMON, 40-character variable names, "endless loop" check, WHILE . . . WEND for looping, printer line width selection, more. Model III programs are run only in Model III mode (with Model III features only).

Dimensions: 12½ × 18⅞ × 21½".

Power: Integrated power supply, 105-130VAC, 60 Hz. U.L. listed.

Radio Shack®

The biggest name in little computers™

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